AUTOMATION (CONTROL SYSTEMS)

AUTOMATION (CONTROL SYSTEMS) FOR POOLS AND SPAS

SCREENLOGIC2™ INTERFACE

FOR INTELLITOUCH® AND EASYTOUCH® AUTOMATION SYSTEMS

PENTAIR

Featured Highlights

- Use an Apple® iPad®, iPhone® or iPod touch® Mobile Digital Device to control pool functions from anywhere
- Remotely manage from a Mac® Computer or a PC using the ScreenLogic2 Interface, Mac Computer or PC app
- Easily change, track and monitor history of pH and ORP levels when using the new IntelliChem® Chemical Control System with intelliTouch® or EasyTouch® Automation
- ScreenLogic2 Interface app now allows full color lighting control for both IntelliBrite® LED Pool/Spa/Landscape lights and MagicStream® Laminars
- All ScreenLogic2 Interface Kits come with a protocol adapter and ScreenLogic2 PC program on CD

ScreenLogic2 Interface allows you to control the key functions of your pool and spa using the IntelliTouch and EasyTouch control systems, using controllers such as an in-wall touch screen, iPad, iPhone, iPod touch mobile devices and PC and Mac computers.

Ordering Information

Product	Description
	SCREENLOGIC2 INTERFACE CONTROL SYSTEMS
520500	iPhone/iPad/iPod touch/PC and Mac Interface Kit*
520502	7" Wall Color Touch Screen Kit*
520639	ScreenLogic2 Interface Wireless Connection Kit – Includes two radio transmitters that eliminate the need to run cable from the Load Center into the home where the protocol adapter and wireless router are located.
520854Z	ScreenLogic2 Interface Video and Lighting Protocol Adapter – This advanced Protocol adapter compliments the standard protocol adapter that ships with the ScreenLogic2 Interface Kits 520500, 520502, and 520503. This protocol adapter adds Panasonic video camera support (up to 4 sold separately) and UPB lighting support (sold separately).

Note: The above ScreenLogic2 Interface Kits require a 4-wire, 22 gauge wiring connection from the IntelliTouch or EasyTouch Load Center COM port to the protocol adapter within the home. The ScreenLogic2 Interface Wireless Connection Kit (P/N 520639) can be used to eliminate the need to run this wire where impossible or impractical to do so.

* All ScreenLogic2 Interface Kits come with a protocol adapter and ScreenLogic2 PC program on CD.

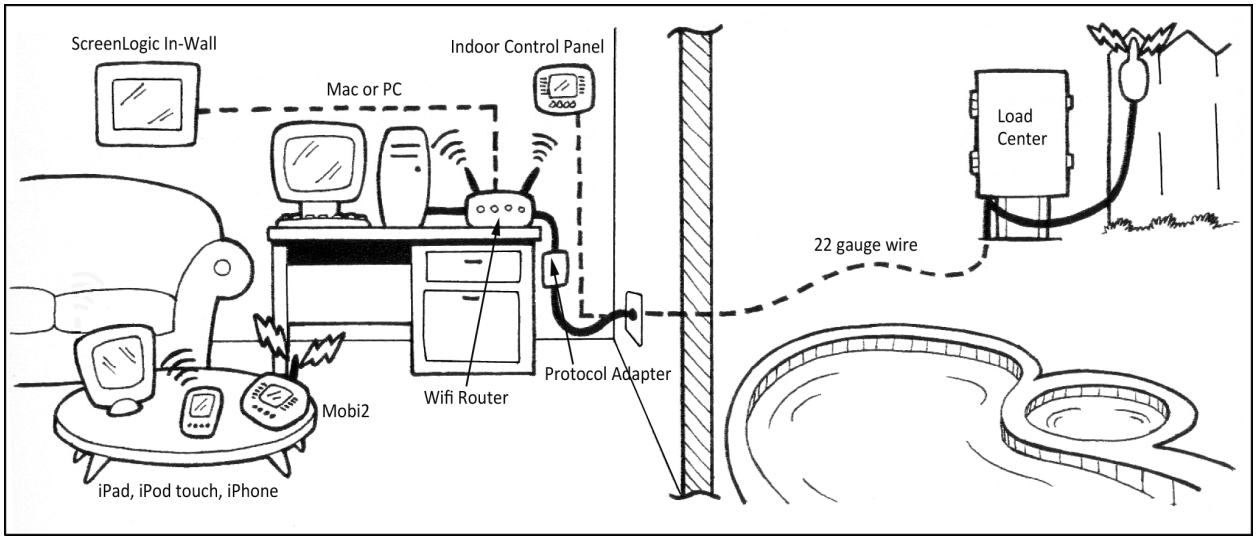
Apple®, iPhone®, iPad®, iPod touch®, and Mac® are registered trademarks of Apple Inc.

SCREENLOGIC2™ INTERFACE (CONT'D)

SCREENLOGIC2 CONNECTION DIAGRAM

The ScreenLogic2 Interface allows EasyTouch® and IntelliTouch® Automation users to control the key functions of their pool and spa using an in-wall touch screen, iPad®, iPhone®, iPod touch® Mobile Digital Device and PC and Mac computers.

ScreenLogic2 Interface is easy to setup. You simply run a communication wire from your IntelliTouch or EasyTouch system into your home where your ScreenLogic2 Interface protocol adapter is installed (typically next to your cable or DSL modem). A wireless connection kit is also available (PN 520639) to eliminate the need to run cable where impossible or impractical to do so.



Personal Computer - A PC or Laptop. Connects to a wireless router and the ScreenLogic2 Interface Protocol adapter for control of IntelliTouch and EasyTouch Automation pool/spa systems. Requires a PC/Laptop (Windows® 7, Windows Vista® Windows XP® or later) with Ethernet/RJ45 adapter installed.

iPad®, iPod touch® or iPhone® Mobile Digital Device - Enables you to control your pool and spa features using the ScreenLogic2 Interface.

In-Wall Touch Screen - A color display with Ethernet (RJ45) connector. Connects to the Protocol adapter via Ethernet (RJ45) for control of IntelliTouch pool and spa systems.

Wireless Tablet - This control panel consists of a color touch screen. Receives and transmits commands via wireless router and Protocol adapter for control of IntelliTouch pool/spa systems.

Indoor Control Panel - This control panel for IntelliTouch and EasyTouch systems, consists of a backlit LCD and connects into the Load Center for control of IntelliTouch or EasyTouch pool and spa systems.

MobileTouch® Wireless or EasyTouch Wireless Remote - This wireless control panel has a backlit LCD. Receives and transmits commands via the Transceiver antenna located at the Load Center.

Wireless Router - Connects to the PC or Laptop via Ethernet connection to the Protocol adapter.

Protocol Adapter - Connects to wireless router via Ethernet connection and to Personality board (Load/Power Center) via a four-wire 22-AWG cable.

IntelliTouch or EasyTouch Automation Load Center or Power Center - The main control center, located at the equipment pad controls pump, heater, and light relays. It receives commands via Protocol adapter, and wireless and wired control panels connected to the Personality board.

MobileTouch Wireless and EasyTouch Wireless Remote Transceiver Antenna - This antenna sends and receives commands to and from the MobileTouch Wireless control panel.

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INTELLITOUCH® AUTOMATION SYSTEMS

...ADVANCED AUTOMATION SYSTEMS FOR POOL AND SPA

PENTAIR

Featured Highlights

- UltraTemp® Heat Pump Cooling Support
- SpaCommand® Spa-Side Remote Control of IntelliFlo® pump
- MagicStream® Laminar support
- IntelliChem® Controller support

IntelliTouch® Automation offers superior control systems from small to the most ambitious pool and spa designs including water features and spectacular lighting effects. IntelliTouch Automation Systems offer innovative technology and a wide range of wireless and wired control panels that are easy to program with simple menus to enable pool owners to create and change programs without complication. Users can choose the iPhone®, iPod®, iPod touch® Mobile Digital Device or the MobileTouch® Wireless (900MHz) control panel to complete their pool and spa automation system.

IntelliTouch Automation offers advanced control technology to suite individual needs including:

- **ScreenLogic2™ Interfaces User** – Enables IntelliTouch Automation users to control their pool and spa features using wireless color touch screen devices including iPhone, iPod, and iPod touch Mobile Digital Device. ScreenLogic2 Interface systems now have advanced features such as remote monitoring and control over the internet and email alerts for specific events. Other wired interface options are also available to control pool and spa features via a desktop or laptop PC from within the home or on the road.
- **Salt Chlorine Feature** – Enables IntelliTouch Automation to control and monitor popular Salt Chlorine Generators including Pentair Aquatic Systems' IntelliChlor® Salt Generator, Goldline Controls®, AutoPilot®, and AutoClear® from the IntelliTouch Automation Indoor Control Panel or MobileTouch® Wireless Remote Control Panel. Users do not have to adjust the salt chlorine generator at the equipment pad.
- **Support for IntelliFlo® pumps** – IntelliFlo® is the intelligent swimming pool pump that is changing all the rules. Adaptable to any application up 230 volts and 160 gallons per minute, you simply program IntelliFlo's speed to suit the application. IntelliFlo then dials in the perfect power factor. IntelliFlo constantly monitors water flow and electrical current, making sure that the filtration system is operating at peak efficiency. And that means energy savings never before possible – up to 90% over conventional pumps.
- **Advanced Color Lighting** – Enables users to experience a world of lighting animation when teamed up with IntelliBrite® color lights. One of the most dramatic innovations is the Swimming Colors feature in which colors appear to swim through the water, pouring into one another.

Technical Note: Lights must be connected to separate Auxiliary Circuits for Swimming Colors to function.

IntelliTouch Automation systems offer the flexibility to handle from 5 to 40 circuits that can be used to control any combination of pumps, lights, water features, etc. As an added benefit, user-configurable circuits (Feature Circuits) can also be used to control these combinations of features and more. Feature Circuits even add Macro possibilities, where any number of circuits can be combined on a single button. This gives the pool owner the ability to set up "themes" with custom names all with one press of a single button.

IntelliTouch Automation users can also dim any high voltage incandescent light such as Pentair Amerlite® and SpaBrite® Lights up to eight levels using the IntelliTouch Automation Controller Dimmer Module (P/N 520406). The dimmer module supports multiple lights from 100 watts up to 1,000 watts and installs in a standard relay location. Any number of dimmers (up to 10 maximum) may be used with a maximum combined load of 4,000W in a single Load Center.

Note: iPhone®, iPod®, iPod touch® are registered trademarks of Apple Inc.
Goldline Controls® is a registered trademark of Hayward Industries, Inc.
Autopilot® is a registered trademark of Aquacal Autopilot Systems, Inc.
AutoClear® is a registered trademark of Zodiac Pool Systems, Inc.

INTELLITOUCH® AUTOMATION ENCLOSURE KITS

ORDERING AN INTELLITOUCH AUTOMATION SYSTEM – STEP 1:

PENTAIR

Featured Highlights

- Load Center – Includes built-in sub panel (150 AMPS) breaker base capable of holding up to ten 1 inch breakers. Also includes five 25 AMP 3 HP relays, 120V/240V transformer with secondary side circuit protection. Multiple knockouts for 1/2 inch to 1-1/4 inch conduit are supplied as well as a GFCI receptacle side knock out. The Load Center provides ample space for all high and low voltage wiring needs.
- Power Center – Offers a smaller footprint than the Load Center. The Power Center does not include a circuit breaker base. Users should choose this enclosure if they already have existing circuit breakers/sub-panel for their equipment.

Power Center

Load Center

Pentair Aquatic Systems' Load Center and Power Center features 10 breakers, more knockouts, 150 Amps limit. For added convenience, IntelliTouch Automation enclosures can be ordered and integrated with the IntelliChlor® Salt Chlorine Generator transformer so a separate power center is not required.

Ordering Information

Product	Description	3 HP Relays Std. / Max.	Number of Circuit Breaker Spaces	Transformer Voltage	Size
INTELLITOUCH AUTOMATION ENCLOSURE KITS WITH INTELLICHLOR TRANSFORMER					
521213	Load Center	5 / 10	10	115V / 230V	26 in. H x 17 in. W x 5-1/4 in. D
521214	Power Center	5 / 10	None	115V / 230V	20 in. H x 17 in. W x 5-1/4 in. D
INTELLITOUCH AUTOMATION ENCLOSURE KITS WITHOUT INTELLICHLOR TRANSFORMER					
521215	Load Center	5 / 10	10	115V / 230V	26 in. H x 17 in. W x 5-1/4 in. D
521216	Power Center	5 / 10	None	115V / 230V	20 in. H x 17 in. W x 5-1/4 in. D

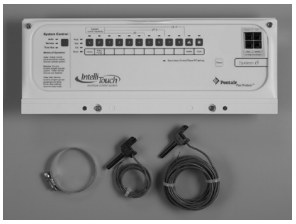
See page 340 for replacement parts.

INTELLITOUCH® AUTOMATION PERSONALITY KITS

ORDERING AN INTELLITOUCH AUTOMATION SYSTEM – STEP 2:

PENTAIR

i5+3S Personality Kit
(for single body of water)



i9+3 Personality Kit
(shared equipment)

Featured Highlights

- **Shared Equipment:** Pool and spa combinations with shared filtration system – Pool owners can enjoy the convenience of motorized valves for water flow separation between pool and spa
- **Dual Equipment:** Pool and Spa Dual Sets of Equipment – The IntelliTouch Control System i10+3D provides advanced automation for a pool and spa using two separate sets of equipment. The IntelliTouch Automation Personality Kit controls ten pump and/or lighting circuits and two heaters.
- **Single Equipment:** Pool Only or Spa Only Applications – The IntelliTouch Automation i5+3S and i9+3S provide advanced automation for a single body of water

There are six Personality Kit models available for various pool and spa combinations. Each Personality Kit provides complete pool and spa controls that are fully programmable. Every circuit has a countdown timer, ability to do one-time-use programs, salt generation interface for popular salt chlorinators, spectacular colored pool/spa lighting effects, along with solar control capabilities. In addition, there are various options available including light dimming, smart home interface, spa-side remote switches, valve actuators for water flow control, additional indoor wired or wireless user interface control panels, and even telephone remote control.

Ordering Information

Product	Model Number	High Voltage Circuits	3 HP Relays Kit / Total *	Feature Circuits	Valve Actuators Std. / Opt. / w/Valve Expansion Module**
POOL/SPA – SHARED EQUIPMENT *Pump, Filter & Heater shared between Pool and Spa by two automated 3-Way Valves.*					
521219	i5+3	Filter + 4 Aux	0 / 5	10	2 / 4 / 7
521220	i7+3	Filter + 6 Aux	2 / 7	10	2 / 4 / 7
521221	i9+3	Filter + 8 Aux	4 / 9	10	2 / 4 / 7
POOL/SPA – DUAL EQUIPMENT *Two Pumps, Two Filters & Two Heaters for separate Pool and Spa.*					
521222	i10+3D	2 Filters + 8 Aux	5 / 10	10	0 / 2 / 5
POOL OR SPA – SINGLE BODY OF WATER *Pump, Filter & Heater for an individual Pool or Spa.*					
521223	i5+3S	Filter + 4 Aux	0 / 5	10	0 / 2 / 5
521224	i9+3S	Filter + 8 Aux	4 / 9	10	0 / 2 / 5
EXPANSION KITS					
521225	i5X Expansion Kit		0 / 5	0	0 / 2 / 5
521226	i10X Expansion Kit		5 / 10	0	0 / 2 / 5

* Load Center or Power Center, purchased separately, includes five 3 HP relays.

** Valve expansion module adds three additional valves to be used (P/N 520285)

Note: i5 and i5S are now i5+3 and i5+3S.

Note: Valve actuators now come with 25 ft. cables for wiring convenience.

See page 340 for replacement parts.

INTELLITOUCH® AUTOMATION INTERFACE KITS

ORDERING AN INTELLITOUCH AUTOMATION SYSTEM – STEP 3:

PENTAIR

MobileTouch® Wireless Remote

Indoor Control Panel

Color Touch Screen

iPhone®

iPad®

iPod touch®

One or more of the following Standard or ScreenLogic2™ Interface Kits can be used with IntelliTouch Automation Personality Kits. For example, iPhone, iPad, iPod touch Mobile Digital Device, Tablets, or Indoor Control Panels can be mixed or matched throughout the home. ScreenLogic2 Interface systems now have advanced features such as remote monitoring and control over the internet and email alerts for specific events. The Interface options include:

Ordering Information

Product	Description
	STANDARD INTERFACES
520138	Indoor Control Panel – 3-3/4 in. monochrome backlit LCD. Wired to the Load or Power Center.
520906	MobileTouch® Wireless – Wireless control panel with transceiver. 3-3/4 in. monochrome backlit LCD.
	SCREENLOGIC2 INTERFACES
520500	**NEW: iPhone/ iPad/iPod touch Mobile Digital Device Interface Kit** – Includes a Protocol Adapter and wireless router. Allows control of IntelliTouch Automation pool/spa systems via local wifi signal or remotely via cellular network. Also includes ScreenLogic2 Interface Connect CD for use on up to four windows computers.
520502	iTC35 Kit – Includes in-wall color touch screen with Ethernet (RJ45) connection a Protocol adapter and wireless router. The Touch screen device is custom configured for IntelliTouch Automation systems.
	SCREENLOGIC2 INTERFACE ACCESSORIES
520639	ScreenLogic2 Interface Wireless Connection Kit – Includes two radio transmitters that eliminate the need to run cable from the Load Center into the home where the protocol adapter and wireless router are located.

Note: The above ScreenLogic2 Interface Kits require a 4-wire, 22 gauge wiring connection from the IntelliTouch Automation Load Center to the protocol adapter within the home. The ScreenLogic2 Interface Wireless Connection Kit (P/N 520639) can be used to eliminate the need to run this wire where impossible or impractical to do so.

Note: Call for availability and pricing on all IntelliTouch Automation ScreenLogic2 Interface models. In-wall and Tablet color touch screen size may vary. Specifications are subject to change.

iPhone®, iPad®, and iPod Touch® are registered trademarks of Apple Inc.

See page 340 for replacement parts.

INTELLITOUCH® AUTOMATION ACCESSORIES

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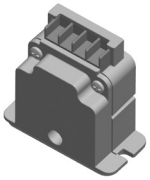


IntelliTouch Controller Dimmer Module

Load Center

QuickTouch® II Remote

i-Link Home Automation Adapter

SpaCommand® Spa-Side Remote (also available in white)

Outdoor Control Panel (installs in the Load or Power Center)

Ordering Information

Product	Description
	INTELLITOUCH ACCESSORIES
520442	i-Link Home Automation Adapter Interface for IntelliTouch® Automation – Enables homeowners using Home Automation systems such as Elan®, Crestron®, AMX®, Vantage™, Lutron®, Control4® and others to control IntelliTouch Automation basic features via their Home Automation control interface. Call for other Home Automation system compatibility.
520406	IntelliTouch Controller Dimmer Module – Enables users to dim their Amerlite® and SpaBrite® Lights up to eight levels (30% to 100%). Each dimmer module supports multiple lights from 100 watts up to 1,000 watts combined load using 120VAC (220VAC not supported). For example, a 500W and a 100W Amerlite Light (total 600W) could be used with one dimmer module. Installs in a standard relay location. Any number of dimmers (up to 10 maximum) may be used with a maximum combined load of 4,000W. Note: Expansion Center Kit(s) may be required to house multiple dimmer modules (models i5x (P/N 521225) or i10x (P/N 521226). The IntelliTouch Controller Dimmer Module is only designed to be used with pool and spa lights and not backyard lighting systems.
521209	QuickTouch II Remote – Four-function wireless remote for pool and spa functions. Operated within 250 feet range of the Load or Power Center.
520403	Dual Heater Kit – This kit is for use with IntelliTouch systems and enables homeowners to utilize a gas heater and heat pump. The IntelliTouch system determines which heat source is appropriate given the conditions. This kit disables most solar heating controls. The kit includes a heater relay and temperature sensor.
	SPACOMMAND TEN-FUNCTION SPA-SIDE REMOTE
521178	SpaCommand Remote, White with 150 ft. cable
521176	SpaCommand Remote, Black with 150 ft. cable
521179	SpaCommand Remote, White with 250 ft. cable
521177	SpaCommand Remote, Black with 250 ft. cable
521180	Mudbox Accessory for recessing SpaCommand Remote into deck or tile. Includes cover plate.

Product	Description
	ACCESSORIES FOR INTELLITOUCH SYSTEMS
520199	1000 ft. cable, four conductor, 22 AWG
520106	3HP Relay for IntelliTouch
RCS1	Additional Spa Jets Switch (for multiple jet pumps)
ESO3	Emergency Shut-Off Switch w/Audible Alarm
520138	Indoor Control Panel for IntelliTouch® (White), additional
520499*	Tablet, Acc iTC45. Additional interface option.
520498*	Panel Touch, Acc iTC35. Additional interface option.
520497*	PDA, Acc iTC25. Additional interface option.
520967	Light Direct Connect Kit (eliminates need for j-box)

Product	Description
	ACCESSORIES FOR INTELLITOUCH SYSTEMS
6870002	Telephone remote control for any single circuit, usually Spa mode.
520272	Temperature Sensor
520198	Two-Speed 3HP Relay
263045	Valve Actuator
520285	Valve module for adding up to 3 valve actuators
520818	Com Port Expansion Module
AI101	Surge Suppressor for 115V transformer wiring
AI201	Surge Suppressor for 230V transformer wiring

Note: (*) Requires purchase of an IntelliTouch® ScreenLogic2™ iTC Kit, (iTC15, iTC25 or iTC35, iTC45), see page 25.

Elan® is a registered trademark of AVC Group, LLC.
Crestron® is a registered trademark of Crestron Electronics, Inc.
AMX® is a registered trademark of AMX, LLX, LTD.
Vantage™ is a trademark of Legrand Home Systems, Inc.
Lutron® is a registered trademark of Lutron Electronics, Inc.
Control4® is a registered trademark of Control4 Corp.

INTELLITOUCH® AUTOMATION ACCESSORIES (CONT'D)

PENTAIR

Featured Highlights

- MobileTouch® Wireless Remote Accessory – Allows any IntelliTouch® Automation System to have a wireless remote with all capabilities of the indoor control panel. With an average range of 500 feet, pool owners have system control anywhere around the home or yard. Installation is simple, and requires no high voltage wiring. Powered by a replaceable rechargeable lithium-ion battery. Includes an AC/DC adapter for recharging. Water resistant, wireless user interface control panel with high-resolution 3-3/4 in. monochrome backlit LCD. Rechargeable lithium-ion battery. Easy to use control buttons with customizing feature for naming circuits.
- iS4 Four-Function Spa-side Remote – Provides control of any four functions, such as pool, spa, auxiliary circuits (AUX 1-8), Feature Circuits, Macros, Heater Enable and Heat Boost. Available in White, Black and Gray. Four cable lengths are available:
- Expansion Kits – Models i5X and i10X, offer five or ten additional Auxiliary Circuits for systems i9+3, i9+3S and i10+3D. Each IntelliTouch Automation Expansion Kit requires a Load Center (P/N 521215) or Power Center (P/N 521216). Up to three Expansion Kits and Load or Power Centers may be added to a system, for control of up to 38 Auxiliary Circuits (40 auxiliary circuits for i10+3D).

MobileTouch® Wireless Remote & Cradle

iS4 Remote Control

Ordering Information

Product	Description
MOBILETOUCH WIRELESS REMOTE ACCESSORIES	
520906	MobileTouch Wireless Accessory Kit includes wireless remote and transceiver module with antenna.
520907	Additional MobileTouch Wireless remote only

Product	Color
iS4 REMOTE WITH 50 FT. CABLE	
520090	White
520091	Grey
520256	Black

Product	Color
iS4 REMOTE WITH 100 FT. CABLE	
520092	White
520093	Grey
520257	Black

Product	Color
iS4 REMOTE WITH 150 FT. CABLE	
520094	White
520095	Grey
520258	Black

Product	Color
iS4 REMOTE WITH 250 FT. CABLE	
520098	White
520099	Grey
520260	Black

Product	Description	3 HP Relays Kit / Total *	Feature Circuits	Valve Actuators Std. / Opt. / w/Module
EXPANSION KITS				
521225	i5X Expansion Kit	0 / 5	0	0 / 2 / 5
521226	i10X Expansion Kit	5 / 10	0	0 / 2 / 5

* Expansion Kit requires Load or Power Center to be purchased separately, which includes five 3HP relays.

INTELLITOUCH® AUTOMATION SALES & SERVICE TOOLS

Product	Description
INTELLITOUCH AUTOMATION SALES AND SERVICE TOOLS	
520396	Service Panel for IntelliTouch Automation – If access to the Indoor Control Panel is not available, this service panel can be used by service personnel to help setup, customize, or troubleshoot an IntelliTouch Automation system from the control panel at the equipment pad. Includes an attached 6-foot cable for easy connection to the Personality board.
520456	IntelliTouch Automation Indoor Control Panel POP Display – A non-functional Indoor Control Panel. Make sure all of your dealers have plenty of these for their showrooms. Intended for display and product promotion purposes only.
520400	IntelliTouch Automation Laptop Trainer – Perfect for use in dealer showrooms or by sales personnel to demonstrate complete system functionality to prospective customers.
520352	IntelliTouch Automation Demo Unit – Perfect for use in dealer showrooms or by sales personnel to demonstrate IntelliTouch Automation system functionality with Indoor Control Panel interface option to prospective customers. Fully functioning control panel.
520957	Automation Flash Programming Kit
520461	Quick Reference Card – Credit card size reference guide. Includes step-by-step instructions to set a House Address for Indoor and MobileTouch® control panels, iS10 Spa-Side remote, and Expansion Load or Power Center.

IntelliTouch Automation Demo Unit

IntelliTouch Automation Laptop Trainer

IntelliTouch Automation Service Panel

IntelliTouch Automation ICP POP Display

Quick Reference Card

EASYTOUCH® CONTROL SYSTEMS

Pool/Spa Control Systems

PENTAIR

Eco Select Efficiency • Conservation PENTAIR

EasyTouch System

iPhone®, iPad® Mobile, iPod touch® MobileDigital Device

Featured Highlights

New EasyTouch Features include:

- UltraTemp® Heat Pump integration
- Support for 2 VS or 2 VF Pumps
- Supports 8 Feature circuits
- MagicStream® Laminar support
- IntelliChem® Controller support
- Now works with ScreenLogic2™ Interface
- IntelliBrite® Pool and Spa Light support
- SpaCommand® Spa-Side Remote support and control of IntelliFlo® Pump
- Optional Controllers for added convenience: Indoor Control Panel (for 4 or 8 circuit systems), a Wireless controller (for 4 or 8 circuit systems), a QuickTouch® II 4-function wireless remote, a 4-button spa side remote, and SpaCommand spa-side remote.
- All functions controlled with easy, one-button access from the self-contained load center or optional controllers. No need to memorize operating sequences, open and close valves, or reset time clocks and thermostats.
- Built-in diagnostics include automatic verification of the display, microprocessor, switches, indicators, relay outputs, valve outputs, sensor inputs, and communication ports as well as a diagnostic screen that reports failures for troubleshooting and repair purposes
- Includes 150 amp breaker base with space for ten 1-inch breakers
- UL and cUL approved
- Dimensions: 26 in. H x 17 in. W x 5-1/4 in. D

The EasyTouch® Control System family offers a new level of control for homeowner's looking for an affordable, easy to use pool/spa control system. EasyTouch allows full control of all pool/spa features including advanced features such as colored lighting and IntelliChlor® Salt Chlorine Generator support. Every EasyTouch system includes an easy to use control panel that is built into the outdoor enclosure. This control panel allows for full system setup, programmability, and everyday operation. In addition, there are several other available remote interface choices. The EasyTouch systems come in a variety of configurations: Pool only or Spa only, Pool/Spa with shared equipment, and also integrated with Pentair Aquatic Systems' IntelliChlor salt chlorine generator.

Ordering Information

Product	Model
	EASYTOUCH SYSTEMS WITHOUT INTELLICHLOR TRANSFORMER BUILT-IN
520591	EasyTouch 4P – Single Body (base system - no ICP, no actuators)
520703	EasyTouch 8P – Single Body (base system - no ICP, no actuators)
520538	EasyTouch 4 – Pool/Spa (base system - no ICP, 2 actuators)
520540	EasyTouch 8 – Pool/Spa (base system - no ICP, 2 actuators)
	EASYTOUCH SYSTEMS WITH INTELLICHLOR TRANSFORMER AND INTELLICHLOR CELL
520592	EasyTouch 4PSC-IC20 – Single Body (includes SCG integration & IC20 cell)
520593	EasyTouch 4PSC-IC40 – Single Body (includes SCG integration & IC40 cell)
520704	EasyTouch 8PSC-IC20 – Single Body (includes SCG integration & IC20 cell)
520705	EasyTouch 8PSC-IC40 – Single Body (includes SCG integration & IC40 cell)
520542	EasyTouch 4SC-IC20 – Pool/Spa (includes SCG integration & IC20 cell, 2 actuators)
520543	EasyTouch 4SC-IC40 – Pool/Spa (includes SCG integration & IC40 cell, 2 actuators)
520544	EasyTouch 8SC-IC20 – Pool/Spa (includes SCG integration & IC20 cell, 2 actuators)
520545	EasyTouch 8SC-IC40 – Pool/Spa (includes SCG integration & IC40 cell, 2 actuators)
521150	EasyTouch 8SC-IC60 – Pool/Spa (includes SCG integration & IC60 cell, 2 actuators)
	CANADIAN EASYTOUCH SYSTEMS
520914	EasyTouch 4P-C – Single Body (salt ready system, cell must be ordered separately)
520915	EasyTouch 8-C – Pool/Spa (salt ready system, cell must be ordered separately)
520911	IntelliChlor IC20 cell for Canada
520912	IntelliChlor IC40 cell for Canada

iPhone®, iPad®, and iPod Touch® are registered trademarks of Apple Inc.

See page 341 for replacement parts.

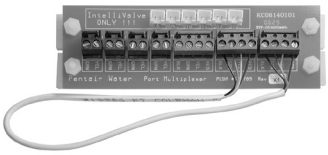
EASYTOUCH® CONTROL SYSTEMS ACCESSORIES

POOL/SPA CONTROL SYSTEMS

PENTAIR

Product	Description	Product	Description
	ACCESSORIES FOR EASYTOUCH® SYSTEMS		
520500	iPhone®/iPad®/iPod touch® Mobile Digital Device/PC and Mac® Computer Interface Kit*	520092	iS4 Spa-side Remote, White 100 ft.
520502	7" Wall Color Touch Screen Kit*	521209	QuickTouch II Wireless Remote Kit for 4 circuit systems
520660	EasyTouch Laptop trainer	521500	Replacement Plastics (black & white trim ring, mounting bracket, screws and O-ring)
520639	ScreenLogic2 Interface Wireless Connection Kit – Includes 2 radio transmitters (eliminates the need to run cable from the Load Center into the home where the protocol adapter and wireless router are located.)	AI101	Surge Suppressor for 115V transformer wiring
520199	1000 ft. COM cable, four conductor, 22 AWG	AI201	Surge Suppressor for 230V transformer wiring
520106	3HP Relay for IntelliTouch	520272	Temperature Sensor
520548	EasyTouch ICP (Indoor Control Panel) for 4 circuit systems	520198	Two-Speed 3HP Relay
520549	EasyTouch ICP (Indoor Control Panel) for 8 circuit systems	263045	Valve Actuator
520546	EasyTouch Wireless Controller Kit for 4 circuit system, including transceiver	520818	COM Port Expansion Module with 1 ft. cable
520547	EasyTouch Wireless Controller Kit for 8 circuit system, including transceiver	RCS1	Additional Spa Jets Switch (for multiple jet pumps)
520588	IntelliChlor® Sanitizer Pass-through Cell for Winter or start-up	ESO3	Emergency Shut-Off Switch w/Audible Alarm
520594	IntelliChlor Diagnostic Wand	520967	Light Direct Connect Kit (eliminates need for j-box)
520670	IntelliChlor Acid Cleaning Kit	521178	SpaCommand Remote, White with 150 ft. cable
520595	IntelliChlor replacement unions (contains 2 o-rings, 2 couplers, 2 nuts)	521176	SpaCommand Remote, Black with 150 ft. cable
520670	IntelliChlor acid washing kit (contains closed end union cap, o-ring, & coupling nut)	521179	SpaCommand Remote, White with 250 ft. cable
520734	IntelliChlor 15 foot extension power cord	521177	SpaCommand Remote, Black with 250 ft. cable
520736	IntelliChlor Flow Switch replacement kit	521180	SpaCommand Remote Mudbox Accessory

521209 - QuickTouch® II Wireless Remote Kit



520818 - COM Port Expansion Module

520092 - iS4 Remote Control

520548 - EasyTouch ICP for 4 circuit systems
520549 - EasyTouch ICP for 8 circuit systems
520546 - EasyTouch wireless for 4 circuit systems
520547 - EasyTouch wireless for 8 circuit systems

520554 - IntelliChlor IC20 Cell
520555 - IntelliChlor IC40 Cell
521105 - IntelliChlor IC60 Cell

SpaCommand Remote - Various

* All ScreenLogic2™ Interface kits come with a protocol adapter and ScreenLogic2 PC program on CD.

See page 341 for replacement parts.

COMPOOL® CONTROL SYSTEMS TO EASYTOUCH® AUTOMATION UPGRADE

PENTAIR

iPad®, iPhone®, iPod touch®
Mobile Digital Device

Featured Highlights

- Now works with ScreenLogic2™ Interface
- Allows easy upgrade to EasyTouch® Automation functionality for the following Compool® Systems: CP3400, CP3600, CP3800, CP3810, CP1000*, CP2000*, CP3000, CP30*, CP100*, LX100EZT*, LX100EZTL*, 520348*, 520349*, TimeMaster* with LX-10 power center
- Filter pump + 7 Auxiliaries
- AUX Extra Support
- Works with EasyTouch Automation Indoor Control Panel (520549) and EasyTouch Wireless Remote (520547)
- Supports 2 VS or 2 VF IntelliFlo® Pumps, iS4 and SpaCommand® Spa Side Remotes, IntelliChlor® Salt Chlorine Generator, IntelliBrite® LED Lights, UltraTemp® Heat Pumps, and MagicStream® Laminar Jets.
- 8 Feature Circuits
- Supports IntelliChem® pH/ORP Control System**

* Requires Compool System to EasyTouch AutomationUpgrade System with New System Transformer Kit (P/N 521247).

** Requires v2.100 firmware or higher.

Ordering Information

Product	Description	Product	Description
COMPOOL TO EASYTOUCH UPGRADE			
521107	Compool to EasyTouch Upgrade without transformer Kit		
521247	Compool to EasyTouch Upgrade with new system transformer Kit		
COMPOOL TO EASYTOUCH UPGRADE ACCESSORIES			
520500	iPhone®/iPad®/iPod touch® Mobile Digital Device and PC and Mac® Computer Interface Kit*	263045	Valve Actuator
520502	7" In-Wall Color Touch Screen Kit***	520272	Temperature Sensor (Air/Water/Solar, 20 ft. Cable)
520639	ScreenLogic2 Interface Wireless Connection Kit	520818	COM port expansion Module
520549	EasyTouch Indoor Control Panel (8 circuits)	520554	IntelliChlor IC20 Cell*
520547	EasyTouch Wireless Remote (8 circuits)	520555	IntelliChlor IC40 Cell*
521209	QuickTouch II Wireless Remote (4 circuits)	521105	IntelliChlor IC60 Cell*
520092	iS4 Spa-side Remote, White 100 ft.	520556	IntelliChlor Power Center
521178	SpaCommand Remote, White, 150 ft. cable	RLYLXD	Relay Kit for 2 Speed Pumps
521179	SpaCommand Remote, White, 250 ft. cable	RLYLX3HP	Additional 25 Amp, 3 HP Power Relay
521176	SpaCommand Remote, Black, 150 ft. cable	521099Z	Compool to EasyTouch Replacement Circuit Board
521177	SpaCommand Remote, Black, 250 ft. cable		
521180	Mudbox Accessory		

*** Requires the 520556 IntelliChlor® Salt Chlorine Generator Power Center when used with the Compool to EasyTouch System.

SUNTOUCH®
CONTROL SYSTEM

PENTAIR

Featured Highlights

- One touch function – no complicated routine to memorize
- Ability to program pool and spa and two additional features. All circuits in the system can control four operating schedules (maximum six total schedules per system)
- Supports 4 feature circuits for programming convenience
- Compatible with gas or electric heaters, heat pumps, and solar systems
- Temperature control can be set in one degree increments
- Supports one IntelliFlo® VS or VF Pump and IntelliChlor® Salt Chlorine Generator

SunTouch® Control System

Eco Select Efficiency • Conservation PENTAIR

SunTouch Control System is the easy way to keep your pool and spa clean, comfortable, and ready to enjoy. With the touch of a few buttons, you can quickly program your pool and spa filtration and heating cycles to fit your schedule. And it's just as simple to change programs or switch to manual mode for those unplanned, spontaneous plunges. With SunTouch Control System, your pump and heater automatically run whenever you want, for as long as you want so your pool and spa are always warm and inviting.

In addition to controlling your pump and heater, the standard SunTouch Control System package has the ability to schedule operation of additional functions, such as your lights or automatic cleaner. You can also add a third valve actuator to automate a solar heating system or water feature.

Ordering Information

Product	Description
	SUNTOUCH CONTROL SYSTEMS
520820	SunTouch Control System (pool/spa) – Includes 2 actuators, 2 temp sensors (20 ft. water, 40 in. air) and 3 relays
520819	SunTouch Solar Control System – Includes 1 actuator, 1 solar valve, and 2 temp sensors (20 ft. water, 40 in. solar)
520859	SunTouch Single Body Control System – Includes temp sensors (20 ft. water, 40 in. air) and 3 relays
520856	SunTouch Solar with 3-way valve – Includes 1 actuator, 3-way valve, and 2 temp sensors (20 ft. water, 40 in. solar)
520857	SunTouch Booster Pump Version – Includes 1 relay, and 2 temp sensors (20 ft. water, 40 in. solar)

Product	Description
	ACCESSORIES FOR SUNTOUCH SOLAR CONTROL SYSTEMS
521209	QuickTouch II Wireless Remote Kit, including transceiver
520106	3HP Relay
520272	Temp Sensor
520198	2 Speed Pump Relay
ES03	Emergency Shut-Off Switch w/Audible Alarm
263045	Valve Actuator
520967	Light Direct Connect Kit (eliminates need for j-box)

See page 341 for replacement parts.

SOLARTOUCH®

SOLAR CONTROL SYSTEM

PENTAIR

Featured Highlights

- Digital calibration of water and solar temperature in one degree increments
- Integrates with IntelliFlo® and IntelliPro® Variable Speed pumps
- Set pool temperatures and solar temperature differentials with the touch of a button
- Solar valve automatically drains the solar collectors when pump shuts off
- Durable PTFE seal is maintenance-free for years of dependable service
- LCD display provides sharp, clear readings
- LED indicator lights confirm SolarTouch automation is working. Service indicator LED shows when attention is required.
- Motorized valve actuator is built to last with sturdy steel gears; highly efficient low-voltage motor; service switch for flow direction
- Weatherproof composite enclosure
- Nocturnal cooling and recirculation freeze protection with filter-pump timer override
- 3-year warranty

The SolarTouch Solar Control System offers full digital control for the most precise, efficient, swimming pool heating possible. The digital thermostat is set with the touch of a button and will monitor the temperature of the pool water and solar collectors. SolarTouch Control System integrates with IntelliFlo and IntelliPro Variable Speed pumps for unparalleled efficiency.

Ordering Information

PRODUCT	DESCRIPTION
	SOLARTOUCH SOLAR SYSTEM
521592	SolarTouch Solar Control System with 3-way Solar, drain down, Valve, valve actuator and 2 temp sensor (20' water, 40" solar)
521632	SolarTouch Solar Control System with 3-way Valve, valve actuator and 2 temp sensors (20' water, 40" solar)
521590Z	SolarTouch Solar Control only

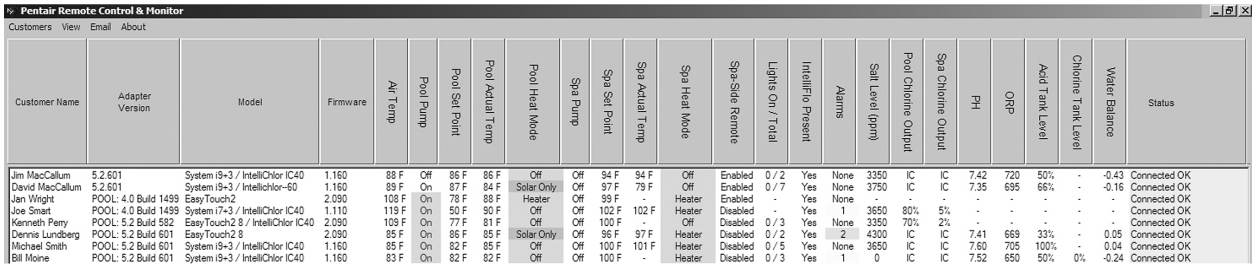
See page 341 for replacement parts.

REMOTE CONTROL AND MONITORING SOFTWARE

For The Service Pro

PENTAIR

Now, working through the Internet, you can remotely monitor system and equipment conditions and diagnose problems. Log-in using the advanced ScreenLogic2™ Interface to make system changes as needed. This option is ideal for any service professional, particularly those with large customer territories. Handle questions or concerns without a site visit and save time and fuel while providing top-notch customer service.



Customer Name	Adapter Version	Model	Firmware	Air Temp	Pool Pump	Pool Set Point	Pool Actual Temp	Pool Heat Mode	Spa Pump	Spa Set Point	Spa Actual Temp	Spa Heat Mode	Spa-Side Remote	Lights On / Total	IntelliFlo Present	Alarms	Salt Level (ppm)	Pool Chlorine Output	Spa Chlorine Output	PH	ORP	Acid Tank Level	Chlorine Tank Level	Water Balance	Status
Jim MacCallum	5.2.601	System i9+3 / IntelliChlor IC40	1.160	88 F	Off	86 F	86 F	Off	Off	94 F	94 F	Off	Enabled	0 / 2	Yes	None	3350	IC	IC	7.42	720	50%	-	-0.43	Connected OK
David MacCallum	5.2.601	System i9+3 / IntelliChlor-60	1.160	89 F	On	87 F	84 F	Solar Only	Off	97 F	79 F	Off	Enabled	0 / 7	Yes	None	3750	IC	IC	7.35	695	66%	-	-0.16	Connected OK
Jan Wright	POOL: 4.0 Build 1499	EasyTouch2	2.090	108 F	On	78 F	88 F	Heater	Off	99 F	-	Heater	Enabled	-	Yes	None	-	-	-	-	-	-	-	-	Connected OK
Joe Smart	POOL: 4.0 Build 1499	System i7+3 / IntelliChlor IC40	1.110	119 F	On	50 F	90 F	Off	Off	102 F	102 F	Heater	Disabled	-	Yes	1	3650	80%	5%	-	-	-	-	-	Connected OK
Kenneth Perry	POOL: 5.2 Build 582	EasyTouch2 8 / IntelliChlor IC40	2.090	109 F	On	77 F	81 F	Off	Off	100 F	-	Off	Disabled	0 / 3	Yes	None	3350	70%	2%	-	-	-	-	-	Connected OK
Dennis Lundberg	POOL: 5.2 Build 601	EasyTouch2 8	2.090	85 F	On	86 F	85 F	Solar Only	Off	96 F	97 F	Heater	Disabled	0 / 2	Yes	2	4300	IC	IC	7.41	669	33%	-	0.05	Connected OK
Michael Smith	POOL: 5.2 Build 601	System i9+3 / IntelliChlor IC40	1.160	85 F	On	82 F	85 F	Off	Off	100 F	101 F	Heater	Disabled	0 / 5	Yes	None	3650	IC	IC	7.60	705	100%	-	0.04	Connected OK
Bill Moine	POOL: 5.2 Build 601	System i9+3 / IntelliChlor IC40	1.160	83 F	On	82 F	82 F	Off	Off	100 F	-	Heater	Disabled	0 / 3	Yes	1	0	IC	IC	7.52	650	50%	0%	-0.24	Connected OK

Computer screen photo shows complete system status for every customer with an IntelliTouch®, EasyTouch® or SunTouch® Automation System. Conditions requiring attention are quickly identified and often corrected from the comfort of your office. Just point and click to turn equipment on and off, or change programs and schedules.

- **Now works with SunTouch®, EasyTouch® and IntelliTouch® Automation** – EasyTouch and IntelliTouch Automation support remote monitoring & control, while SunTouch only supports remote monitoring.
- **Now works with IntelliChem® Salt Chlorine Generator**
- **Supports ScreenLogic2™ Interface - for a complimentary copy, visit our website:**

  http://www.pentairpool.com/pool-owner/resources/downloads/screenlogic2.htm

VALVE ACTUATOR

VALVE CONTROL SYSTEMS

PENTAIR

Valve Actuator

Designed for use with 2-port and 3-port valves.
Features maximum torque, 24VAC bi-directional motor.

Featured Highlights

CVA24 Valve Actuator

- Helps Prevent dead-heading of pumps
- Corrosion-proof enclosure
- Includes 25 ft. cable
- Service switch (for flow direction)
- ETL recognized
- UL listed for use with IntelliTouch® Automation
- Operates Compool, Ortega® or Jandy® Valves
- Compatible with all 24VAC Control Systems

NOW COMES WITH 25 FT. CABLE FOR WIRING CONVENIENCE!

Ordering Information

Product	Model	Voltage	Cable	Rotation	Compatibility	Motor
VALVE ACTUATORS						
263043	CVA24L	24 VAC	3-wire 25 ft.	90 deg.	2-port Compool/Ortega/Jandy Valves	Bi-directional
263044	CVA24Y	24 VAC	3-wire 25 ft.	120 deg.	3-port Compool PTV2Y Valve	Bi-directional
263045	CVA24T	24 VAC	3-wire 25 ft.	180 deg.	3-port Compool/Ortega/Jandy Valves	Bi-directional

Jandy® is a registered trademark of Jandy Industries, Inc.

GFCI CIRCUIT BREAKERS

Featured Highlights

- Added safety of 6 milliamp Personnel Protection
- Meets 2008 to current NEC Standards for Pool Pumps
- Compatible with IntelliTouch and EasyTouch® Control System
- Works in any breaker base approved for use with Siemens® QPF style breakers
- Designed to protect personnel exposed to ground faults in AC, DC, and mixed AC/DC systems where levels exceed 6 milliamps

Product	Description	Carton Qty.	Carton Wt (Lbs.)
GFCI CIRCUIT BREAKERS			
PA115GF	1-pole 15 amp GFCI	30	11.50
PA120GF	1-pole 20 amp GFCI	30	11.50
PA215GF	2-pole 15 amp GFC	10	11.50
PA220GF	2-pole 20 amp GFC	10	11.50

Siemens® is a registered trademark of Siemens Akiengesellshaft.

LX80 & LX820 SYSTEMS

COMMERCIAL POOL/SPA CONTROL SYSTEMS

PENTAIR

Featured Highlights

LX802 Commercial Pool/Spa Control System

- Emergency Shut-off Switch (disables all pumps)
- Audio Alarm
- Power Center available (with or without circuit breaker sub-panel) at the equipment site, features: mechanical time clocks for the Pool and Spa Filter Pumps, power relays (3) for Pool and Spa Filter Pumps and Spa jet Pump, electronic cool-down cycle for pool and spa heaters and equipment service switches

LX8202 Emergency Shut-off System

- Emergency Shut-off Switch
- Audio Alarm
- Power Center at the equipment site with equipment status lights and power relays (2) for Spa Filter Pump and Jet Booster Pump

LX802

Designed for a commercial pool and spa application. Provides Remote Spa Jets switch (suitable for outdoor locations) with electronic countdown timer (15/30 minutes).

Ordering Information

Product	Circuits	Power Relays Std/Max	Circuit Breaker Capacity	Compatible Heaters	Voltage	Relay Amp Inductive
LX80 & LX820 COMMERCIAL POOL/SPA CONTROL SYSTEMS						
LX802	Pool Filter, Spa Filter, Jet1, Jet2	3 / 8	N/A	Gas/Elec/Solar/Heat Pump	115V/230V	20
LX802L	Pool Filter, Spa Filter, Jet1, Jet2	3 / 8	4qty. @ 230V	Gas/Elec/Solar/Heat Pump	115V/230V	20
LX8202	Spa Filter, Jet1, Jet2	2 / 3	N/A	N/A	115V/230V	20

LX802L

LX8202

Designed for retrofitting commercial spas where an emergency shut-off switch is required.

Product	Description
ACCESSORIES FOR LX80 COMMERCIAL POOL/SPA CONTROL SYSTEM	
263045	Valve Actuator
MODSOL	Temperature Control Module (for pool or spa). Required for solar control
RCS1	Additional Spa Jets Switch (for multiple jet pumps)
ES03	Emergency Shut-Off Switch w/Audible Alarm
RLYLX	Additional Power Relay (for auxiliary equipment)
RLYLX3HP	Additional 25 Amp, 3 HP Power Relay (for auxiliary equipment)
RYALX	Harness to operate 2 Power Relays from one control circuit
TS5L	Solar Temperature Sensor
ACCESSORIES FOR LX8202 COMMERCIAL POOL/SPA CONTROL SYSTEM	
RLYSC	Additional Power Relay (for second jet pump or filter pump)
RLYSC3HP	Additional 25 Amp, 3 HP Power Relay (for auxiliary equipment))

INTELLICHEM®

CHEMICAL CONTROLLER

PENTAIR

Muriatic Acid Container

Liquid Chlorine Container

The IntelliChem Chemical Controller automatically monitors pool pH and sanitizing levels and delivers just the right amount of chemicals. IntelliChem Chemical Controller can work independently or in conjunction with other Pentair automation products. It's built-in Langelier Saturation Index calculator lets pool owners know when the water is in or out of balance. IntelliChem Chemical Controller uses the same technology found in commercial installations, water parks, hotel and community pools.

Featured Highlights

- Auto Setup/Configuration wizard makes start-up quick and easy
- Programmable chemical feed cycle and mix times for precise water balance
- Assures safe water conditions by preventing excess chemical addition.
- Built-in Langelier Saturation Index calculator lets you know when your water chemistry is perfectly in or out of balance
- Minimizes chemical costs by adding chemicals with precision
- Flow sensor ensures chemicals won't feed without system flow
- Password-protected access prevents tampering or accidental program change
- Seamless interface with IntelliTouch®, EasyTouch®, SunTouch® Automation Systems and ScreenLogic2™ Interface for superior chemical management
- Compatible with IntelliChlor® Salt Chlorine Generators, external dosing pumps, and CO2 systems

Ordering Information

Product	Description	Application
	INTELLICHEM CHEMICAL CONTROLLER	
521357	IntelliChem with no pumps	For systems using external feed pumps, IntelliChlor, or CO2. Containers ordered separately.
521489	IntelliChem with 1 pump	For systems using IntelliChlor and muriatic acid. Containers ordered separately.
521356	IntelliChem with 1 pump (with acid container)	For systems using IntelliChlor and muriatic acid. Includes 4 gallon acid container.
521355	IntelliChem with 2 pumps	For systems using liquid chlorine and muriatic acid. Containers ordered separately.
521378	Acid Container (4 gallons)	Convenient and innovative container for storing muriatic acid.
521397	Chlorine Container (4 gallons)	Convenient and innovative container for storing liquid chlorine.
714000070	CO2 Kit w/Diffuser, Solenoid, Regulator	Must use with CO2 tanks to lower pH levels.
521622	IntelliChem Winterizing Kit	Includes protective end caps and solution for storing pH and ORP probes
521498	Flash Programming Kit	Allows installation of firmware updates on IntelliChem.

See page 345 for replacement parts.

ACUCHECK3™

ELECTRONIC CHLORINE, PH, AND ALKALINITY TESTER

PENTAIR

AcuCheck3 Tester is a hand-held electronic water test meter that provides highly accurate pool water chemistry data with digital readings using DPD chemistry. Quick and easy – simply fill and insert a test tube, press a button, and you have a precise chemical reading. No more test strips or frequent trips to the pool store for accurate chemical readings. AcuCheck3 Tester comes with reagent tablets, test tubes, and crushing stick.

AcuCheck3 Test Kit

Ordering Information

Product	Model	Description
	ACUCHECK TEST KIT	
745000110	AcuCheckCA	Acu-Check 3, Instrument Cl, pH, Alk

INTELLIPH® PH CONTROLLER

CHEMICAL CONTROLLER

PENTAIR

Featured Highlights

- Protects your pool equipment from corrosion when pH swings in and out of balance
- Acid dispensing rate adjusts with the touch of a button
- Makes sanitizing more effective by eliminating fluctuations in pH level
- Pump style lid seals securely assuring safe operation
- Bolts securely to the equipment pad to prevent poolside acid spills
- Powered by either IntelliChlor® Salt Chlorine Generator Power Center or EasyTouch® or IntelliTouch® Automation system with IntelliChlor Generator support for easy wiring and installation
- Large 4 gallon reservoir
- UL and cUL listed
- One-year limited warranty on electronics and metering pump

IntellipH Chemical Controller

Eco Select Efficiency • Conservation PENTAIR

IntellipH Controller is a safe and convenient way to regulate a swimming pool's pH level. It automatically dispenses muriatic acid into the pool to eliminate fluctuations in the pH level. IntellipH is the perfect companion for the IntelliChlor salt chlorine generator and together they help sanitize and balance pool water to keep it sparkling clear.

Ordering Information

Product	Description
	INTELLIpH
521377	IntellipH canister with controller

See page 345 for replacement parts.

ACU-TROL®

COMMERCIAL CHEMICAL CONTROLLER

PENTAIR

Eco Select Efficiency • Conservation PENTAIR

Acu-Trol Chemical Controller is the advanced choice for aquatic facilities worldwide. These efficient systems interface seamlessly to protect, monitor, and manage water chemical balance in aquatic environments and infrastructures. The Acu-Trol Chemical Controller is compatible with the commercial IntelliChlor® Salt Chlorine Generator, Rainbow erosion feeder and/or liquid feed pumps.

AT-8

Featured Highlights

- Monitors one body of water
- Includes flow cell, flow switch, pH and ORP chemical sensors
- Programmable enabling of proportional feed
- Programmable set points for the pH and ORP levels
- Programmable chemical feed cycle
- Programmable selection of acid or base feed for pH control
- Calibration of pH, ORP and temperature
- Flow cell with built-in flow switch and sampling port

Featured Highlights

- Monitors one body of water
- 3rd relay can be used to automate second sanitizer
- pH, ORP, temperature and safety flow switch standard
- Programmable pH, ORP and temperature set points
- Programmable chemical feed cycle ON and OFF (MIX) times
- Programmable proportional feed
- Programmable acid, base or CO2 feed for pH control
- Relay configuration shortcuts with Acu-Trol Controller Wizards
- Flow cell with built-in flow switch, shut-off valves, inlet strainer and sampling port
- Records up to 30 days of sensor data internally in 1 or 2 hour recording intervals

AK110

AK600

Part numbers located on next page.

Featured Highlights

- AcuCom Software
- Multiple control for 1, 2, or 3 bodies of water
- Programmable pH, ORP and temperature set points
- Programmable proportional fee for precise chemical feed
- Programmable acid, CO_2 or base feed for pH control
- Relay configuration shortcuts with Acu-Trol Controller Wizards
- Auto backwash filters for up to two bodies of water
- Flow cell with built-in flow switch, shut-off valves, inlet strainer and sampling port
- 16 relays with three (3) voltage configurations

For proper controller selection, application assistance, technical support, and pricing, please contact your local Pentair Aquatic Systems Representative or contact the factory at 800-831-7133.

ACU-TROL®

COMMERCIAL CHEMICAL CONTROLLER (CONT'D)

Pentair Water
Commercial Pool and Aquatics™

Part Number	Product Name	Description
AT-8 CHEMICAL CONTROLLER		
701000550	AT-8	Controller, AT-8, pH, ORP, Temp, FC
AK110 AUTOMATIC WATER CHEMISTRY CONTROLLER		
701000110	AK110PS-A	Controller, AK110, pH, ORP, Temp, FC
AK600 PUMP ROOM CONTROLLER		
701000170	AK600PS-A1	Controller, AK600, 1 Body, pH, ORP, Temp, FC
701000180	AK600PS-A2	Controller, AK600, 2 Body, pH, ORP, Temp, FC
701000190	AK600PS-A3	Controller, AK600, 3 Body, pH, ORP, Temp, FC
TESTING EQUIPMENT		
755000240	Duo Check	Test meter, pH/ORP input output
SENSORS		
744000260	AKpH-FB	Sensor, pH, Blue, BNC, Sensor Only
744000330	AKORP-FB	Sensor, ORP, Red, BNC, Sensor Only
744000390	AKORG-FB	Sensor, ORP, Gold Tip, BNC, Sensor Only
STENNER PUMPS - STENNER 45 SERIES - SINGLE HEAD		
751000470	45M3-1/4B	Pump, Adj. 1/4" Blk tubing 120V 25PSI #3 22GPD
751000540	45M5-1/4B	Pump, Adj. 1/4" Blk tubing 120V 25PSI #5 45GPD
STENNER PUMP AND TANK COMBINATION UNITS		
751002600	ST15G	Storage Tank, Chem, 15 gal, UV Grey
751002610	ST30G	Storage Tank, Chem, 30 gal, UV Grey
751002670	45MP525F15	Pump, 45MP, Fixed #5, 25PSI w/ Tank, 15 Gal, UV Grey
751002690	45MP525F30	Pump, 45MP, Fixed #5, 25PSI w/ Tank 30 Gal, UV Grey

NOTES: